

In the Claims

Please enter the following rewritten claims 17 and 18 and new claims 19-27:

Sub C1
C
17. (Amended) An isolated enzyme comprising a member selected from the group consisting of an enzyme comprising an amino acid sequence which is at least 70% identical to the amino acid sequence set forth in SEQ ID NOs: 25-32 when aligned using the BLASTN program of the National Center for Biotechnology Information, wherein the enzyme has activity as a transaminase or aminotransferase.
any one of

B1
sub C1
18. (Amended) A method for transferring an amino group from an amino acid to an α -keto acid comprising:
contacting an amino acid in the presence of an α -keto acid with an isolated enzyme selected from the group consisting of an enzyme which is at least 70% identical to the amino acid sequence set forth in SEQ ID NOs: 25-32 when aligned using the BLASTN program of the National Center for Biotechnology Information and
thereby transferring an amino group from the amino acid to the α -keto acid.

Sub C1
19. (New) An enzyme of claim 17, wherein the amino acid sequence is at least 80% identical.

B2
20. (New) An enzyme of claim 17, wherein the amino acid sequence is at least 90% identical.

21. (New) An enzyme of claim 17, wherein the amino acid sequence is at least 95% identical.

22. (New) An enzyme of claim 21, wherein the enzyme is microbial.

Applicant: Warren and Swanson
Application No.: 09/389,537
Filed: September 2, 1999
Page 3

C ~~23.~~ *a method 2* (New) ~~An enzyme~~ of claim ~~18~~, wherein the amino acid sequence is at least 80% identical.

C ~~24.~~ *a method 2* (New) ~~An enzyme~~ of claim ~~18~~, wherein the amino acid sequence is at least 90% identical.

C ~~25.~~ *a method 2* (New) ~~An enzyme~~ of claim ~~18~~, wherein the amino acid sequence is at least 95% identical.

C ~~26.~~ *a method 9* (New) ~~An enzyme~~ of claim ~~25~~, wherein the isolated enzyme is microbial.

C ~~27.~~ *a method 9* (New) ~~An enzyme~~ of claim ~~25~~, wherein the enzyme converts about 400 μ moles of α -keto acid per minute per mg of the enzyme.

cont. 19. (New) An enzyme of claim 17, wherein the amino acid sequence is at least 80% identical.

20. (New) An enzyme of claim 17, wherein the amino acid sequence is at least 90% identical.

21. (New) An enzyme of claim 17, wherein the amino acid sequence is at least 95% identical.

22. (New) An enzyme of claim 21, wherein the enzyme is microbial.

23. (New) An enzyme of claim 18, wherein the amino acid sequence is at least 80% identical.

24. (New) An enzyme of claim 18, wherein the amino acid sequence is at least 90% identical.

Applicant: Warren and Swanson
Application No.: 09/389,537
Filed: September 2, 1999
Page 4

25. (New) ~~An enzyme of claim 18, wherein the amino acid sequence is at least 95% identical.~~

26. (New) An enzyme of claim 25, wherein the isolated enzyme is microbial.

27. (New) An enzyme of claim 25, wherein the enzyme converts about 400 μ moles of α -keto acid per minute per mg of the enzyme.

B2
cancel
duplicate
6/28/01
W

Add C9